

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (currently amended) A method for adjusting a focus bias in an optical disc drive, comprising the steps of:

rotationally driving an optical disc in a state that only a focus servo is engaged without engaging a tracking servo;

driving an actuator of an optical pick-up so that a laser beam projected from the optical pick-up is moved in a tracking direction, thereby intentionally creating a pseudo state resembling a state in which the tracking servo is being actually engaged so as to obtain an HF signal in such state; and

~~—determining a focus bias by which a proper focusing point can be obtained based on the HF signal~~

adding a focus bias to the thus obtained HF signal to vary a focus bias value so that the amplitude of the HF signal is increased or decreased; and

determining an optimum focus bias at which the largest amplitude of the HF signal is obtained.

2. (original) The method for adjusting a focus bias in an optical disc drive as claimed in claim 1, wherein the driving of the actuator is carried out by supplying an actuator drive control signal to a tracking actuator of the optical pick-up in a state that tracking servo is not engaged.

3. (original) The method for adjusting a focus bias in an optical disc drive as claimed in claim 1, wherein the actuator drive control signal includes a signal which applies a drive voltage in the form of a pulse wave or a sinusoidal wave to the tracking actuator.

4. (original) The method for adjusting a focus bias in an optical disc drive as claimed in claim 1, wherein the focus bias value is determined based on a signal obtained by passing the HF signal into a peak/bottom holding circuit.

5. (original) The method for adjusting a focus bias in an optical disc drive as claimed in claim 1, wherein the adjustment of the focus bias is carried out every time upon an optical disc is loaded into the optical disc drive.

6. (original) An optical disc drive equipped with a circuit by which the method described in any one of claims 1 to 5 can be implemented.

7. (currently amended ) A method for adjusting a focus bias in an optical disc drive, comprising the steps of:

rotationally driving an optical disc in a state that only a focus servo is engaged without engaging a tracking servo;

driving an actuator of an optical pick-up so that a laser beam projected from the optical pick-up is moved in a tracking direction, whereby intentionally creating a pseudo state resembling a state in which the tracking servo is being actually engaged, so as to thereby obtain an HF signal in such state; and

~~—determining a focus bias by which a proper focusing point can be obtained based on the HF signal;~~

adding a focus bias to the thus obtained HF signal to vary a focus bias value so that the amplitude of the HF signal is increased or decreased; and

determining an optimum focus bias at which the largest amplitude of the HF signal is obtained;

wherein the driving of the actuator is carried out by supplying an actuator drive control signal to a tracking actuator of the optical pick-up in a state that tracking servo is not engaged, and wherein the actuator drive control signal includes a signal which applies a drive voltage in the form of a pulse wave or a sinusoidal wave to the tracking actuator.